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AHIP-M-40
1 July 1957

IAC AD-HOC SUB-COMMITTEE ON INFORMATION PROCESSING

Minutes of Fortieth Meeting, 27 June 1957

Members Present:

AIR - Col. Howard D. Kendig
STATE - Mr. Fred Shipman
NAVY - Capt. R. A. Paton
Mrs. K. C. Young
ACSI - Mr. Parmely C. Daniels
USIA - Mr. H. Roth Newpher
NSA -
CIA -

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Visitors:

25X1 CIA -

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2. Because of the above deficiencies and the multiplication in size of files, staff and service requests expected to occur over the next five years, 25X1
25X1 office arranged for successive surveys 25X1
25X1 These companies decided against submitting a proposal. Now has completed a preliminary survey and has recommended a program along the lines described below.

(NOTE: This portion of the meeting was turned over to 25X1 who asked AHIP to respect the "company confidential" nature of his talk.)

C-O-N-F-I-D-E-N-T-I-A-L

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3. [redacted] has proposed a first contract to survey the operating requirements (described briefly by [redacted] above). The engineers have already developed many of the instruments which [redacted] expects can be united in a system adequate to the specialized CIA needs as follows: 25X1

Documents received and indexed according to a revised set of index criteria.

Index data converted to digital language for storage and retrieval on magnetic tape and manipulation by electronic computers.

Index data and document text recorded at random on Chalkley film at a reduction of 25:1, eventually to be stepped up to 100:1.

This film employs dyes which respond to ultra violet light; the light induces permanent change in the film and images thus recorded are then readable in ordinary daylight. One special advantage of this system is that additions to the text or codes can be posted to the film at any time. Dyes which would permit erasure are also being investigated.

Strips of Chalkley film are to be stored in two-dimensional array under control of a selector which can retrieve a designated strip, carry it to a read-write station and produce list-outs of index data and facsimile reproduction of the related documents.

[redacted]

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